

same average number of whorls, and a habitat that lies within the range of this subspecies. However, in addition to size, it differs from *expansilabris* in being at least partially umbilicate and in several sculptural characters as well.

Named for the Mattole River, in the general vicinity of which this snail was discovered. An additional lot was collected this summer by Mr. and Mrs. E. P. Chace at a point ten miles south of Cape Mendocino, in Humboldt Co.

Thanks are due to Dr. Leo G. Hertlein and to Dr. G. Dallas Hanna of the California Academy of Sciences for their cooperation in making accessible the excellently arranged and widely representative Academy collection for study purposes, and for furnishing photographs for reproduction; and also to Dr. H. A. Pilsbry of the Philadelphia Academy for advice and helpful comments.

Berkeley, California, December 1, 1937.

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## NOMENCLATURE OF ONCHIDIIDAE

BY H. BURRINGTON BAKER

The following generic, subgeneric and sectional names have been proposed in this family:

*Onchidium* Buchannan, 1800, Trans. Linn. Soc. London 5: 132; type (only species) *O. typhae* Buchannan, *loc. cit.*, from Ganges River, India.

*Onchidion* Froriep, 1806, Dumeril's Anal. Zool.: 164; emendation of *Onchidium* and taking same type.

*Onchydium* Blainville, 1817, Jour. de Phys. 85: 438, misspelling.

*Peronium* Blainville, 1818, Diet. Sci. Nat. 12: 285, nude; not used in 1817 (*loc. cit.*) although differences between *Onchidium peronii* and *O. typhae* are discussed.

*Orchidium* Gray, 1821, London Med. Rep. 15: 230; misspelling or emendation of *Onchidium*; same type.

*Onchis* Férussac, 1822 (probably March), Hist. Nat., livr. 15, Tabl. gén.: p. xxxi; substitute for and taking same type as *Onchidium* "Cuvier" Férussac, 1821, Tabl. Syst. Fam. Limaces: 8, defined and with type by original designation, *Onchidium peronii* Cuvier, 1804, Ann. Mus. H. N. (Paris) 5: 37, from Mauritius.

*Peronia* Fleming, May, 1822, *Encycl. Brit.*, suppl. to 4-6 ed., vol. 5: 574; type (only species) *Peronia peronii* (Cuvier); also Blainville, 1825, *Dict. Sci. Nat.* 38: 519.

*Buchanania* Lesson, 1831, *Voy. Coquille*, *Zool.* II (1): 296; type (only species) *B. onchidioides* Lesson, *loc. cit.*, from shores of Chile.

Onchidae Swainson, 1840, *Treat. Malac.*: 56; misspelled plural of *Onchidium*.

*Oncidium* Agassiz, 1846, *Nom. Zool.*, *Index Univ.*: 259; emendation of *Onchidium*; type *O. typhae*.

*Oncus* Agassiz, 1846, *loc. cit.*; emendation of *Onchis*; type *O. peronii*.

*Oncis* Herrmannsen, 1847, *op. cit.*: 149, 150; emendation of *Onchis*; type (designated p. 149) *Onchidium peronii* Cuvier.

*Onchidia* "Swainson" Gray, 1847, *Proc. Zool. Soc. London* 15: 179; misspelled singular of Swainson's Onchidae; type *Onchidium typhae*.

*Buchannia* Gray, 1847, *loc. cit.*; misspelling of *Buchanania*; type *B. onchidioides*.

*Buchanaania* Gistel, 1848, *Natur. Thierr.*: p. viii; another misspelling.

*Ephrada* Gistel, 1848, *loc. cit.*; substitute for *Buchanaania*; type *B. onchidioides*.

*Eudrastus* Gistel, 1848, *op. cit.*: p. x; substitute for *Peronia* Quoy, 1834, *Isis*: 287 (a review of Quoy & Gaimard, 1832, *Voy. Astrolabe*, *Zool.*, vol. 2); type now designated *Onchidium tonganum* Q. & G., 1832: 210, from Tonga.

*Onchidella* M. E. Gray in J. E. Gray, 1850, *Fig. Moll. Animals* 4: 117; type not designated by Herrmannsen, 1852, *op. cit.*, suppl.: 96; type by subsequent designation of Fischer & Crosse, 1878, *Miss. Mex.*, *Rech. Zool.* 7 (1): 687, *Onchidium nigricans* Quoy & Gaimard, 1832, *op. cit.*: 214, from Tasman Bay, New Zealand.

*Peronella* Mörch, 1863, *Jour. de Conch.* 11: 43; type (only species) *Onchis armadilla* Mörch, 1863, *loc. cit.*, from St. Thomas, West Indies; not *Peronella* Gray, 1855, *Cat. Rec. Echin. Brit. Mus.*: 13.

*Oncida* "Swainson" Paetel, 1875, *Fam. Gat. Moll.*: 143; emended singular of Swainson's Onchidae; type *O. typhae*.

*Oncidiella* Fischer & Crosse, 1878, *loc. cit.*; emendation of *Onchidella*; type *O. nigricans*.

*Onchidina* Semper, 1882, *Reis. Arch. Phil.* 3 (6): 287; type (only species) *Onchidella australis* "Gray" Semper, 1880, *Reis.* (5), pl. 19, f. 11, 14, 15; 1882, *loc. cit.*, from Brisbane, Australia.

*Oncidina* Plate, 1893, *Zool. Jahrb.*, *Anat.* 7: 166, 208; emendation of *Onchidina*; type *O. australis*.

*Peronina* Plate, 1893, *op. cit.*: 166, 210; type (only species) *P. alta* Plate, 1893: 210, from India.

*Oncis* Plate, 1893, *op. cit.*: 164, 190; type by subsequent designation of Woodward, 1894, Zool. Rec. 30: Moll. 57, *O. coriacea* Semper = *Onchidium coriaceum* Spr., 1880, Reis. (5): pl. 19, f. 1, 16; 1882: 271, from Philippine Islands; not *Oncis* Herrmannsen (1847).

*Arctonchis* Dall, 1905, Harriman Alaska Exped. 13: 112; type by original designation *Onchidella borealis* Dall, 1871, Amer. Jour. Conch. 7: 135, from Sitka, Alaska.

*Watsoniella* Hoffmann, 1928, Zool. Jahrb., Syst. 55: 56, 102; type (only species) *W. lesliei* + *Orchidium lesliei* Stearns, 1892, Nautilus 6: 87, from Albemarle Island, Galapagos; not *Watsoniella* Berg, 1898, Communic. Mus. Buenos Aires I: 42.

*Occidentella* Hoffmann, 1929, Zool. Jahrb., Syst. 57: 269; type (now designated) *Oncidiella obscura* Plate, 1893, *op. cit.*: 207, from Urville Island, New Zealand (a subjective synonym of *O. nigricans*).

*Hoffmannola* Strand, 1932, Folia Zool. Hydrobiol. (Riga) 4 (2): 194; substitute for *Watsoniella*; type *W. lesliei*.

*Paraperonia* Labbé, 1934, Ann. Inst. Oceanogr. Paris 14: 187, 196; without type designation, but including *P. fdjiensis* Labbé, 1934: 197, from Fiji Islands.

*Lessonia* Labbé, 1934, *op. cit.*: 187, 213; only species *Onchidium ferrugineum* Lesson, 1831, *op. cit.*: 300, from New Guinea; not *Lessonia* Swainson (1832) nor Eydoux & Souleyet (1852).

*Scaphis* Labbé, 1934, *op. cit.*: 187, 207; without type designation, but including *Onchidium punctatum* Quoy & Gaimard, 1832, *op. cit.*: 215, from New Guinea.

*Quoya* Labbé, 1934, *op. cit.*: 187, 228; only species *Q. indica* Labbé, 1934: 216, from Indian Ocean; not *Quoya* Agassiz (1862) nor Deshayes (1843).

*Paraonchidium* Labbé, 1934, *op. cit.*: 187, 228; type not designated but including *Onchidium chameleon* Brazier, 1886, Proc. Linn. Soc. N.S.W. 10: 729, from Port Jackson, Australia.

*Semperella* Labbé, 1934, *op. cit.*: 187, 236; type not designated but including *Onchidium glabrum* Semper, 1880, Reis. (5): pl. 19, f. 3, 12; 1882: 263, from Camiguin de Luzon, Philippine Islands; not *Semperella* Gray, 1868, Ann. Nat. Hist. ser. 4, vol. 2: 376.

Accepting Hoffmann's classification, which seems to be founded on the most careful consideration of the morphological data, the following nomenclature results:

*Onchidina* is the original spelling of his 6th genus (the most

primitive according to Plate), with *Oncidina* as an absolute synonym.

His 5th genus is *Peronina* and his 4th is *Hoffmannola* (+ *Watsoniella*, preoccupied).

*Onchidella* is the original spelling of his 3rd genus, with *Oncidella* as an absolute synonym. Because his "Ostgruppe" is the typical group, *Occidentella* is a subjective synonym. Since *Peronella* is preoccupied, *Arctonchis* is the proper name for his "Westgruppe."

**PLATEVINDEX**, new name for *Oncis* Plate, 1893, *op. cit.*: 164, not *Oncis* Herrmannsen, becomes the name of Hoffmann's 2nd genus, unless some available name has been missed; *Semperella* is a subjective, invalid and preoccupied synonym. The name of the type species is *Platevindex coriaceus* (Semper, 1880), which is prior to *Vaginulus stuxbergi* Westerlund (1883).

*Onchidium* is the original spelling of his first genus, with *Onchidion*, *Onchyidium*, *Orchidium*, *Oncidium*, *Onchidia* and *Oncida* as absolute synonyms and *Paraonchidium* as an invalid, subjective one. If the "dendrobranchiate" species, for which Labbé described a "suborder," 2 "families" and 4 "new genera," require a sectional name, *Onchis* is the first vested one (although the nude *Peronium* is prior), with *Peronia*, *Oncus* and *Oncis* as absolute synonyms, and *Eudrastus*, *Paraperonia*, *Scaphis*, *Lesonia* and *Quoya* as subjective ones, although, according to article 25, c, 3, of the International Rules, all Labbé's generic names are invalid except (?) those proposed for single species (preoccupied, anyway).

*Buchanania*, with *Buchannia*, *Buchanaania* and *Ephrada* as absolute synonyms, remains a misspelled *nomen dubium*.

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## FURTHER NOTES UPON TERTIARY AND RECENT MOLLUSKS FROM FLORIDA, WITH DESCRIPTIONS OF NEW SPECIES

BY MAXWELL SMITH

(Concluded from p. 68)

**MUREX MACGINTYI** n. sp. Whorls five, plus smooth shining nucleus of about two whorls, suture impressed; about seven